

# M 5.3, 36 km SE of Champerico, Guatemala

Origin Time: 2022-03-30 16:01:02 UTC (Wed 10:01:02 local)  
Location: 14.0393° N 91.6916° W Depth: 57.6 km

## PAGER Version 5

Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

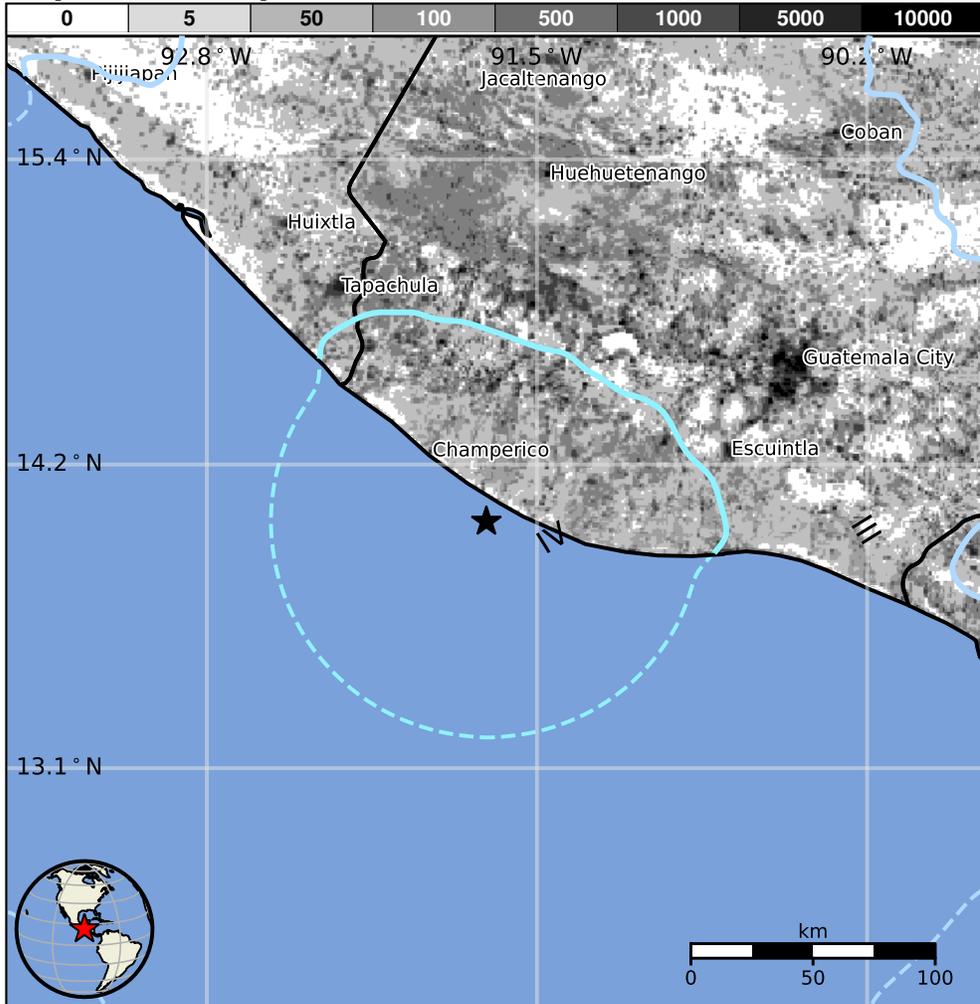
### Estimated Economic Losses

## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	14,286k	2,557k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-02-17	280	4.1	V(2,250k)	1
1975-11-05	340	5.0	VI(21k)	1
1976-02-04	307	7.5	IX(80k)	23k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	San Jose La Maquina	<1k
IV	<b>Champerico</b>	<b>8k</b>
IV	Santo Domingo Suchitepequez	6k
IV	Tiquisate	18k
IV	Nueva Concepcion	11k
IV	San Jose El Idolo	2k
IV	Quetzaltenango	132k
III	<b>Escuintla</b>	<b>103k</b>
III	Chimaltenango	82k
III	<b>Huehuetenango</b>	<b>79k</b>
III	<b>Guatemala City</b>	<b>995k</b>

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gyfc#pager>

Event ID: us7000gyfc